CONTRIBUTORS TO VOLUME 103

ABRAHAMS, JESSE I., 136
ABSOLON, KAREL B., 180
ADLER, RICHARD H., 613
ANLYAN, WILLIAM G., 695
AUST, JOSEPH B., 180

BARNES, W. A., 517
BARRATT-BOYES, BRIAN G., 646
BEATTIE, EDWARD J., JR., 209
BERRIDGE, FRANK E., JR., 595
BLADES, BRIAN, 765
BLOCK, M. A., 129
BOYD, THOMAS F., 57
BRODEY, R. S., 85
BROWN, JAMES BARRETT, 1
BRUNSCHWIG, ALEXANDER, 337
BUTTERFIELD, W. J. H., 655
BYRNE, JOHN J., 57
BYRNE, RALPH V., 362

CALDWELL, GUY A., 767
CARPENTER, G. T., 769
CASTLETON, KENNETH B., 239
CIVIN, W. H., 475
CLAGETT, O. THERON, 559
CLARKE, NEVILLE P., 581
COLBECK, J. C., 323
COLE, JACK W., 511
COLEY, BRADLEY L., 67
COLONNA, PAUL C., 85
CONGDON, GORDON H., 185
COOLEY, DENTON A., 147
CORRELL, NOBLE O., JR., 209
COSGRIFF, JAMES H., JR., 212, 409
CREECH, OSCAR, JR., 147
CRILE, GEORGE, JR., 342
CRUZ, MIGUEL, 67

DAHLE, THOR, 332
DALY, A. KATHLEEN, 57
DAMMIN, GUSTAVE J., 15
DANIEL, WILLIAM, 337
DAVIS, LEONARD, 711
DE BAKEY, MICHAEL E., 147
DELAUGHTER, GEORGE D., JR., 695
DILLARD, DAVID H., 289
DIXEY, J. R. B., 655
DOCKERTY, MALCOLM B., 23, 185, 327, 423, 607
DONNELLY, CELESTE, 313

EDWARDS, EDWARD A., 719
EGNER, W., 459
EISENHAMMER, STEPHEN, 501
ELLIS, F. HENRY, JR., 646
ELLIS, GEORGE, 257

FLY, ORCENETH A., 94
FROBESE, ALFRED S., 313
FRYER, MINOT P., 1

GAGE, ROBERT P., 559, 759
GILCHRIST, R. K., 513
GODDARD, WILLIAM B., 221
GORE, DON O., 193
GRAY, HOWARD K., 23, 327, 607
GRAY, JAMES G., 212, 409
GRIMES, ORVILLE F., 401

HABIF, DAVID V., 443
HALEY, HAROLD B., 227
HALPERT, BÉLA, 147
HANFORD, JOHN M., 193
HARRIS, JACKSON, 535
HARRISON, J. HAROLD, 613
HENRY, G. W., 475
HENSON, STANLEY W., JR., 23, 327, 607
HINMAN, FRANK, JR., 416
HINSHAW, J. RAYMOND, 31, 263, 726
HODGKINSON, C. P., 129, 539
HOERR, STANLEY O., 237
HOFFMANN, GEORGE T., 618
HOOKS, CHARLES A., 618
HUNTER, R. G., 475

IRETON, RICHARD J., 437

JACKSON, IRA J., 618
JACOBS, WARREN M., 233
JAMES, ARTHUR G., 595
JOHNSRUD, RUSSELL L., 708
JONES, F., 673

KAJIKURI, HISASHI, 155
KAMENS, EDWARD A., 643
KAUFMAN, HERBERT E., 101
KELLY, JOHN V., 687
KELSO, JOSEPH W., 565
KEYNES, W. MILO, 496
KIRKLIN, JOHN W., 646, 759
KNEPPER, P. A., 769
KOWALEWSKI, K., 38
KRATZER, GUY L., 434

LANG, STANLEY, 15
LATTES, R., 552
LEE, ROBERT M., 666
LEINBACH, THOMAS, 85
LESCH, W., 673
LILLEHEI, C. WALTON, 180
LIPSCOMB, PAUL R., 353
LISA, JAMES R., 469
LOWMAN, ROBERT M., 711
LUCIDO, JOSEPH L., 701
LYALL, DAVID, 318
LYNN, THOMAS E., 423

MACLEAN, LLOYD D., 5
MAYO, CHARLES W., 94
MCDANIEL, J. R., 769
MCDONALD, JOHN R., 559, 759
MCGOWAN, JOHN M., 163
MEEKER, IRVING A., JR., 527
MERENDINO, K. ALVIN, 289, 639
MILLER, BENJAMIN F., 15
MOORE, G. E., 637
MOORE, THOMAS C., 155, 569
MUIRHEAD, E. E., 673
MURPHY, WILLIAM P., JR., 719
MURRAY, JOSEPH E., 15

NELSON, F. M., 631
NOLAN, JOHN O'L., 515
NOTKOVICH, HILEL, 487

OPPENHEIMER, RUDOLF O. F., 416
OSBORNE, J. C., 38

PEARSE, HERMAN E., 263, 726
PECORA, DAVID V., 455
PERRETT, T. S., 323
PHILLIPS, LOUISE LANG, 443
PIERCE, E. HARRIS, 559, 759
PIFER, P. W., 129
POLLOCK, A. V., 731
POSSE, NILS, 687
PRATT, GERALD H., 365
PREUSS, LUTHER E., 539
PRINE, JAMES R., 581
PUTNEY, F. JOHNSON, 244

RALSTON, EDGAR L., 62
RANDALL, JOHN H., 221
RANKOW, ROBIN, 193
RAVDIN, I. S., 113, 637

Redo, S. F., 517
Reid, William A., 241
Riberi, Angelo, 155
Riddell, R. V., 769
Robertson, H. Rocke, 323
Roe, Benson B., 507
Roper, A., 267
Rosen, Saul W., 101
Ross, Donald E., 171
Ross, Sir James Paterson, 257
Rowley, Peter T., 443
Roy, Edward W., 481
Rubin, I. C., 469

Salisbury, Peter F., 202
Salvati, Eugene P., 434
Salzman, Edwin W., 581
Sandy, J. T. M., 323
Sarnat, Bernard G., 481
Schenk, Worthington G., Jr., 212
Seager, E. R. Drake, 655
Shaw, Robert S., 279
Shea, Patrick C., Jr., 241
Shepard, F., 552
Shooter, R. A., 257
Shumacker, Harris B., Jr., 535
Singleton, A. O., Jr., 631
Slattery, Louis R., 117
Smith, Beverly Chew, 625
Smith, Donald W., 666
Smith, J. Chandler, 307
Snyder, William H., Jr., 527
Speert, Harold, 367
Stamey, Thomas Alexander, 736
State, David, 202
Stewart, John D., 409
Stirman, J. A., 673
Stone, Hrant H., 313
Strobino, L. J., 85
Swinehart, Laymond A., 539

Tansathithaya, P., 459
Taylor, Gerard W., 257
Teicher, Ira, 136
Thal, Alan, 459
Thomas, Colin G., Jr., 51
Thomas, V., 731
Thompson, Ian M., 618
Thomson, Frank B., 78
Thorlakson, Robert H., 41
Tovell, H., 552
Treadwell, E. E. E., 655
Trinidad, Salvador, 469
Turell, Robert, 115, 643

Ullery, John C., 437

Varco, Richard L., 180
Veldhuis, Andrew H., 539
Visalli, Joseph A., 401

Wall, C. Allen, 701
Wangensteen, Owen H., 5
Waugh, John M., 423
Weaver, Robert G., 590
Weinberg, Arthur, 303
Wilkinson, Albert H., Jr., 241
Woodbury, John W., 227
Wylie, R., 552

Zuidema, George D., 581

SUBJECT INDEX TO VOLUME 103

ABDOMEN, Diagnostic abdominal tap, ed. 362; Clinicopathologic study of epiploic appendages, 423; surgery, Ruptured abdominal aneurysm—transthoracic control, ed. 639

Abnormalities and deformities, congenital, Omphalomesenteric duct anomalies, 569; congenital, Urinary incontinence in myelomeningoceles due to tethered spinal cord and its surgical treatment, 618; Intralobar bronchopulmonary sequestration, 701

Abscess, Internal anal sphincter and anorectal, 501; Subphrenic, ed. 765

Accidents, Diagnostic abdominal tap, ed. 362

Acid-base balance, Clinical, regulation—Bronsted schema, 101

Acidosis, Clinical acid-base regulation—Bronsted schema, 101; hyperchloremic, Pathogenesis and implications of electrolyte imbalance in ureterosigmoidostomy, 736

Adenoma, Benign tumors of liver—I, 23; Adenomatous polyps of colon and rectum, ed. 511

Alkalosis, Clinical acid-base regulation—Bronsted schema, 101

American College of Surgeons, Clinical Congress, Preliminary plans for 42nd, Civic Auditorium, San Francisco, California, October 3 to 12, 1956, 125; 253; 377

Amputations, Twenty year follow-up in fifty below knee, for gangrene in diabetics, 625

Anatomy, Embryologic and anatomic approach to treatment of gastric cancer, 401; Variations of testicular and ovarian arteries in relation to renal pedicle, 487

Anesthesia, Advantages of local over spinal, in anorectal surgery, 434

Aneurysm, Aneurysmal bone cyst, 67; Ruptured abdominal,—transthoracic control, ed. 639

Antibiotics, misuse, Subphrenic abscess, ed. 765

Anus, Advantages of local over spinal anesthesia in anorectal surgery, 434; Internal anal sphincter and anorectal abscess, 501; Aids used in proctologic surgery, 643

Aorta, surgery, Structural alterations in human aortic homografts one to two and one-half years after transplantation, 147; Ruptured abdominal aneurysm—transthoracic control, ed. 639

Arm, Etiology and prevention of Volkmann's ischemic contracture, 353

Armed Forces Medical Library, National medical library, ed. 113

Arteries, homografts, Structural alterations in human aortic, one to two and one-half years after transplantation, 147; homografts, Freeze-dried and alcohol preserved, for replacement of small, 155; coronary, Surgical treatment of occlusive, disease by endarterectomy or anastomotic replacement, 180; Experimental production of pulmonary embolism syndrome and effects of variations of systemic arterial pressure on its course, 202; Hemodynamic changes resulting from blood vessel grafts and prostheses, 213; Bilateral arteritis simulating carotid body tumors, 263; occlusion, More aggressive approach toward restoration of blood flow in acute arterial insufficiency, 279; Variations of testicular and ovarian, in relation to renal pedicle, 487; anomalies, Intralobar bronchopulmonary sequestration, 701

Ascites, Management of, with radioactive gold, 437

Atomic energy, Report of surgical repair in first group of, radiation injuries, 1; Flash burns from, weapons—I, observations on flashburning of human subjects in laboratory using infrared and predominantly white light sources, 655

BACTERIA, Pasteurella infection from cat bites, 57; airborne, Postoperative wound infection, 257; Experimental study of bacterial pancreatitis, 459

Bile, Clinical significance of changes in common duct, resulting from new synthetic choleretic, 163

Bile ducts, Residual stone in biliary, 78; Clinical significance of changes in common, resulting from new synthetic choleretic, 163; Cholangiography employing Foley catheter, 515

Bioflavonoid compounds, Use of, in prevention or reduction in severity of erythroblastosis fetalis, 233

Biopsy, of breast followed by delayed radical mastectomy, 559

Bites, Pasteurella infection from cat, 57

Bladder, Urinary incontinence in myelomeningoceles due to tethered spinal cord and its surgical treatment, 618

Blood, coagulation, Thrombocytopenia and hemorrhage in hemolytic, transfusion reactions, 129; circulation, Surgical treatment of occlusive coronary artery disease by endarterectomy or anastomotic replacement, 180; Use of bioflavonoid compounds in prevention or reduction in severity of erythroblastosis fetalis, 233; circulation, More aggressive approach toward restoration of, flow in acute arterial insufficiency, 279; circulation, Effect of lowered body temperature on cerebral hemodynamics and metabolism of man, 313; Experiences with treatment of acutely massively bleeding peptic ulcer by, replacement and gastric resection, 409; Hypofibrinogenemia in surgical patients, 443; circulation, Effect of norepinephrine on peripheral, flow, 507; circulation, Direct stimulation myography and ergometry of human calf muscles with supplementary observations on calf elasticity, 719

Blood pressure, Experimental production of pulmonary embolism syndrome and effects of variations of systemic arterial, on its course, 202; Effect of norepinephrine on peripheral, flow, 507; high, Reduction of postnephrectomy hypertension by renal homotransplant, 673

Blood transfusion, hemolytic, Thrombocytopenia and hemorrhage in, reactions, 129

Blood vessels, grafts, Hemodynamic changes resulting from, and prostheses, 213; Etiology and prevention of Volkmann's ischemic contracture, 353; Nylon as vascular prosthesis in experimental animals with tensile strength studies, 613

Body, composition and, water metabolism in normal pregnancy, 227

Bones, fractured, Uptake of radiosulfur in, humerus in rat, 38; Aneurysmal, cyst, 67; growth, Effect of compression on, of epiphyseal, 85; Growth, in length of rabbit ribs at costochondral junction, 481

Brain, Effect of lowered body temperature on cerebral hemodynamics and metabolism of man, 313

Breast, Utilization of excess skin to graft defects following radical mastectomy, 117; Malignant lesions of nipple exclusive of Paget's disease, 185; Treatment of operable cancer of, 318; Biopsy of, followed by de-

layed radical mastectomy, 559; Carcinoma in medial and lateral halves of, 759
Bronchus, Characteristics of regeneration of respiratory epithelium, 209; Intralobar bronchopulmonary sequestration, 701
Bronsted theory, Clinical acid-base regulation—, schema, 101
Burns, Report of surgical repair in first group of atomic radiation injuries, 1; Experimental study of degeneration and regeneration of nerve fibers following, 31; Experimental study relating fabric types with severity of burns, 581; Dermatome débridement and early grafting of extensive third degree, in children, 527; Flash, from atomic weapons—I, observations on flash-burning of human subjects in laboratory using infrared and predominantly white light sources, 655; Histologic techniques for differential staining of burned and normal tissues, 726

CANCER, Carcinoma of colon and rectum associated with chronic ulcerative colitis, 41; Lymphatic dissemination of radiogold in presence of lymph node metastases, 51; Fracture of femoral neck following irradiation of pelvis, 62; Analysis of five year survival in carcinoma of rectum and rectosigmoid, 94; of thyroid gland, 171; Malignant lesions of nipple exclusive of Paget's disease, 185; Study of 531 cases of endometrial carcinoma, 221; "Curative" resection—preferred statistical unit for evaluating therapy in, of stomach, ed. 237; Inadequacy of survival rates in evaluation of, therapy, 307, cor. 780; Treatment of operable, of breast, 318; Transtubal spread of tumor cells in carcinoma of body of uterus, 332; Evaluation of pelvic exenteration for advanced, of cervix, 337; Factors influencing spread of, 342; Embryologic and anatomic approach to treatment of gastric, 401; Experimental studies on interstitial injection of radioactive colloidal gold (AU^{198}), 539; Biopsy of breast followed by delayed radical mastectomy, 559; Surgical management of carcinoma of cervix, 565; Management of lingual, 595; Chemotherapy and surgeon, ed. 637; Carcinoma in medial and lateral halves of breast, 759
Carcinoma, see Cancer
Carotid body, Bilateral arteritis simulating tumors, 263
Cartilage, costal, Growth in length of rabbit ribs at costochondral junction, 481
Catheter, Foley, Cholangiography employing, 515
Cecum, Evaluation of cecal size in impending perforation of, 711
Cells, Transtubal spread of tumor, in carcinoma of body of uterus, 332
Chemotherapy, and surgeon, ed. 637
Children, Dermatome débridement and early grafting of extensive third degree burns in, 527
Cholangiography, Residual stone in biliary ducts, 78; employing Foley catheter, 515
Choleretic synthetic, Clinical significance of changes in common duct bile resulting from new, 163
Cold, Effect of lowered body temperature on cerebral hemodynamics and metabolism of man, 313
Colitis, ulcerative, Carcinoma of colon and rectum associated with chronic, 41
Colon, Carcinoma of, and rectum associated with chronic ulcerative colitis, 41; Treatment of selected cases of multiple polyps, familial polyposis, and diverticular disease of colon by subtotal colectomy and ileoproctostomy, 136; Adenomatous polyps of, and rectum, ed. 511
Colostomy, Treatment of lymphopathia venereum strictures of rectum by abdominoperineal pull-through procedure, 631
Compression, Effect of, on growth of epiphyseal bone, 85
Contracture, Etiology and prevention of Volkmann's ischemic, 353
Cyst, Aneurysmal bone, 67; Benign tumors of liver—III, solitary, 607

DÉBRIDEMENT, Dermatome, and early grafting of extensive third degree burns in children, 527
Dermatome, débridement and early grafting of extensive third degree burns in children, 527
Diabetes, Twenty year follow-up in fifty below knee amputations for gangrene in diabetics, 625
Diagnosis, differential, Aneurysmal bone cyst, 67; cholangiography, Residual stone in biliary ducts, 78; differential, Bilateral arteritis simulating carotid body tumors, 263; differential, Intussusception in adults, 267; Diagnostic abdominal tap, ed. 362; Clinicopathologic study of epiploic appendages, 423; differential, Richter's hernia, 496; differential, Clinical study of pulmonary embolism, 695; Evaluation of cecal size in impending perforation of cecum, 711
Diaphragm, Subphrenic abscess, ed. 765
Digestion, acid-peptic, New studies in dog supporting concepts of equal resistance of various levels of intestinal tract to, 289
Drainage, continuous, Use of, negative pressure after laryngectomy and radical neck dissection, 244
Dressing, rayon mesh, Use of, in skin grafting and granulating wounds, 241
Duodenum, New studies in dog supporting concept of equal resistance of various levels of intestinal tract to acid-peptic digestion, 289; Nutritional management in duodenal fistula, 666

EDUCATION, medical, National, library, ed. 113; medical, Average surgeon complains, ed. 239; medical, Periodic evaluation of surgical measures, ed. 513
Effusion, Pericardiectomy for chronic idiopathic pericarditis with massive, and cardiac tamponade, 535
Electrolytes, Pathogenesis and implications of electrolyte imbalance in ureterosigmoidostomy, 736
Embolism, pulmonary, Experimental production of, syndrome and effects of variations of systemic arterial pressure on its course, 202; More aggressive approach toward restoration of blood flow in acute arterial insufficiency, 279; pulmonary, Clinical study of, 695
Embryology, Embryologic and anatomic approach to treatment of gastric cancer, 401
Endometriosis, Clinical and pathologic study of, of lung, 552
Endometrium, Study of 531 cases of endometrial carcinoma, 221; Further observations on ectopic, of fallopian tube, 469
Epiphyses, Effect of compression on growth of epiphyseal bone, 85
Epiploic appendages, Clinicopathologic study of, 423
Epithelium, Characteristics of regeneration of respiratory, 209; Effect of urinary flow upon ureteral regeneration in absence of splint, 416
Ergometry, Direct stimulation myography and, of human calf muscles with observations on calf elasticity, 719
Erythroblastosis fetalis, Use of bioflavonoid compounds in prevention or reduction in severity of, 233
Esophagus, Surgical treatment of esophageal stricture, 5; Repair of phrenoesophageal ligament in surgical treatment of hiatal hernia, 708
Evaluation, Periodic, of surgical measures, ed. 513
Exenteration, Evaluation of pelvic, for advanced cancer of cervix, 337
Extremities, More aggressive approach toward restoration of blood flow in acute arterial insufficiency, 279
FABRICS, Experimental study relating, types with severity of burns, 581

Fallopian tube, Transtubal spread of tumor cells in carcinoma of body of uterus, 332; Further observations on ectopic endometrium of, 469; Cornual sphincter of uterus, 475
Feeding, nasojejunal, Nutritional management in duodenal fistula, 666
Femur, Fracture of femoral neck following irradiation of pelvis, 62
Fistula, Internal anal sphincter and anorectal abscess, 501; Formation of gastrointestinal, using prosthesis, 517; Nutritional management in duodenal, 666
Forceps, Edward Brown Piper and his, for aftercoming head, 367, Cor. 654
Fractures, healing, Uptake of radiosulfur in fractured humerus in rat, 38; of femoral neck following irradiation of pelvis, 62

GALLBLADDER, Cholangiography employing Foley catheter, 515
Gangrene, Twenty year follow-up in fifty below knee amputations for, in diabetics, 625
Gastrointestinal tract, Formation of, fistulas using prosthesis, 517
Gold, Lymphatic dissemination of radiogold in presence of lymph node metastases, 51; radioactive, Management of ascites with, 437; radioactive, Experimental studies on interstitial injection of, colloidal, (Au^{198}), 539
Grafts, Utilization of excess skin to, defects following radical mastectomy, 117; arterial, More aggressive approach toward restoration of blood flow in acute, insufficiency, 279; Dermatome débridement and early grafting of extensive third degree burns in children, 527; Nylon as a vascular prosthesis in experimental animals with tensile strength studies, 613; Ruptured abdominal aneurysm—transthoracic control, ed. 639

HEAD, Parapharyngeal neurilemmoma, 193
Heart, Surgical treatment of occlusive coronary artery disease by endarterectomy or anastomotic replacement, 180; Experimental production of pulmonary embolism syndrome and effects of variations of systemic arterial pressure on its course, 202; Pericardiectomy for chronic idiopathic pericarditis with massive effusion and cardiac tamponade, 535; Technique for repair of atrial septal defect using atrial well, 646; surgery, Replacement of tricuspid valve cusp by homologous cusp in dogs, 731
Hemangioma, Benign tumors of liver—II, 327
Hemodynamics, changes resulting from blood vessel grafts and prostheses, 213
Hemolysis, Thrombocytopenia and hemorrhage in hemolytic blood transfusion reactions, 129
Hemorrhage, Thrombocytopenia and, in hemolytic blood transfusion reactions, 129; Hypofibrinogenemia in surgical patients, 443
Hemorrhoids, Problems in hemorrhoidal disease, ed. 115
Hernia, Richter's, 496; hiatal, Repair of phrenoesophageal ligament in surgical treatment of, 708
Homografts, Structural alterations in human aortic, one to two and one-half years after transplantation, 147; preservation, Freeze-dried and alcohol preserved, for replacement of small arteries, 155; arterial, Hemodynamic changes resulting from blood vessel grafts and prostheses, 213; Reduction of postnephrectomy hypertension by renal homotransplant, 673
Hospitals, Staff representation on, governing boards, ed. 767
Humerus, Uptake of radiosulfur in fractured, in rat, 38
Hydrogen ion concentration, Clinical acid-base regulation—Bronsted schema, 101
Hypersplenism, Surgical management of diseases of spleen, 769
Hypertension, Reduction of postnephrectomy, by renal homotransplant, 673
Hypofibrinogenemia, in surgical patients, 443

ILEUM, Treatment of selected cases of multiple polyps, familial polyposis, and diverticular disease of colon by subtotal colectomy and ileoproctostomy, 136
Infants, newborn, Use of bioflavonoid compounds in prevention or reduction in severity of erythroblastosis fetalis, 233
Infection, Pasteurella, from cat bites, 57; Postoperative wound infection, 257
Infrared, Flash burns from atomic weapons—I, observations on flashburning of human subjects in laboratory using, and predominantly white light sources, 655
Instruments and apparatus, anal retractors, pedicle clamp, Aids in proctologic surgery, 643; atrial well, Technique for repair of, septal defect using, 646; stimulator and ergograph, Direct stimulation myography and ergometry of human calf muscles with supplementary observations on calf elasticity, 719
Intestines, Intussusception in adults, 267; New studies in dog supporting concept of equal resistance of various levels of intestinal tract to acid-peptic digestion, 289; Peritoneal-peritoneal sac for exclusion of bowel in surgical approach to retroperitoneum, 365; Clinicopathologic study of epiploic appendages, 423; Richter's hernia, 496; Meckel's diverticulum, Omphalomesenteric duct anomalies, 569; Evaluation of cecal size in impending perforation of cecum, 711
Intussusception, in adults, 267
Ischemia, Direct stimulation myography and ergometry of human calf muscles with supplementary observations on calf elasticity, 719

JAW, Growth in length of rabbit ribs at costochondral junction, 481

KIDNEY, Prolonged functional survival of renal autotransplants in dog, 15; function, Clinical acid-base regulation—Bronsted schema, 101; blood supply, Variations of testicular and ovarian arteries in relation to renal pedicle, 487; Effect of large caliber splints on ureteral healing, 590; Reduction of postnephrectomy hypertension by renal homotransplant, 673
Knee, Twenty year follow-up in fifty below, amputations for gangrene in diabetics, 625

LABOR, presentation, breech, Edward Brown Piper and his forceps for aftercoming head, 367, cor. 654
Larynx, Use of continuous negative pressure after laryngectomy and radical neck dissection, 244
Leg, Twenty year follow-up in fifty below knee amputations for gangrene in diabetics, 625; Direct stimulation myography and ergometry of human calf muscles with supplementary observations on calf elasticity, 719
Ligament, phrenoesophageal, Repair of, in surgical treatment of hiatal hernia, 708
Literature, medical, Average surgeon complains, ed. 239; surgical, Periodic evaluation of, measures, ed. 513
Liver, Benign tumors of,—I, adenomas, 23; Clinical significance of changes in common duct bile resulting from new synthetic choleretic, 163; Benign tumors of, —II, hemangiomas, 327; Benign tumors of,—III, solitary cysts, 607
Lung, Clinical and pathologic study of endometriosis of, 552; Progressive changes in ventilation following pulmonary resection, 455; Clinical study of pulmonary embolism, 695; Intralobar bronchopulmonary sequestration, 701
Lymph nodes, Lymphatic dissemination of radiogold in presence of, metastases, 51

Lymphopathia venereum (lymphogranuloma inguinale), Treatment of, strictures of rectum by abdominoperineal pull-through procedure, 631

MEDICAL LIBRARY, National, ed. 113
Medicine, National medical library, ed. 113; Periodic evaluation of surgical measures, ed. 513; Staff representation on hospital governing boards, ed. 767
Menstrual cycle, Study of effect of relaxin on contractility of nonpregnant uterus by internal tocometry, 687
Metabolism, water, Body composion and body, in normal pregnancy, 227; Effect of lowered body temperature on cerebral hemodynamics and, of man, 313
Muscles, tubal, uterine, Cornual sphincter of uterus, 475; Direct stimulation myography and ergometry of human calf, with observations on calf elasticity, 719
Myelomeningocele, Urinary incontinence in, due to tethered spinal cord and its surgical treatment, 618
Myography, Direct stimulation, and ergometry of human calf muscles with supplementary observations on calf elasticity, 719

NECK, Parapharyngeal neurilemmoma, 193; Use of continuous negative pressure after laryngectomy and radical, dissection, 244; Management of lingual cancer, 595
Nerve fibers, Experimental study of degeneration and regeneration of, following burn, 31
Neurilemmoma, Parapharyngeal, 193
Nipple, Malignant lesions of, exclusive of Paget's disease, 185
Norepinephrine, Effect of, on peripheral blood flow, 507
Nutrition, management in duodenal fistula, 666
Nylon, as a vascular prosthesis in experimental animals with tensile strength studies, 613

OMPHALOMESENTERIC DUCT, anomalies, 569
Operating room, ventilation, Postoperative wound infection, 257

PANCREATITIS, Experimental study of bacterial, 459
Pasteurella multocida, infection from cat bites, 57
Pelvis, Fracture of femoral neck following irradiation of, 62; measurement, X-ray pelvimetric study of relaxin extract in pelvic expansion, 303; Evaluation of pelvic exenteration for advanced cancer of cervix, 337
Peptic ulcer, New studies in dog supporting concept of equal resistance of various levels of intestinal tract to acid-, digestion, 289; Experiences with treatment of acutely massively bleeding, by blood replacement and gastric resection, 409
Pericarditis, Pericardiectomy for chronic idiopathic, with massive effusion and cardiac tamponade, 535
Peritoneum, Peritoneal-peritoneal sac for exclusion of bowel in surgical approach to retroperitoneum, 365
Pharynx, Parapharyngeal neurilemmoma, 193
Piper, Edmund Brown, and his forceps for aftercoming head, 367, cor. 654
Polyps, Treatment of selected cases of multiple, familial polyposis, and diverticular disease of colon by subtotal colectomy and ileoproctostomy, 136; Adenomatous, of colon and rectum, ed. 511
Portal vein, Reaction of wall of, to presence of experimental thrombus, 323
Potassium, depletion, Pathogenesis and implications of electrolyte imbalance in ureterosigmoidostomy, 736
Pregnancy, Body composition and body water metabolism in normal, 227; Use of bioflavonoid compounds in prevention or reduction in severity of erythroblastosis fetalis, 233; X-ray pelvimetric study of relaxin extract in pelvic expansion, 303
Procaine hyaluronidase, Advantages of local over spinal anesthesia in anorectal surgery, 434
Prosthesis, arterial, Hemodynamic changes resulting from blood vessel grafts and, 213; Formation of gastrointestinal fistulas using, 517; vascular, Nylon as, in experimental animals with tensile strength studies, 613
Pulse, pressure, Hemodynamic changes resulting from, grafts and prostheses, 213
Purpura, Surgical management of diseases of spleen, 769

RADIATION, Report of surgical repair in first group of atomic, injuries, 1; Flash burns from atomic weapons —I, observations on flashburning of human subjects in laboratory using infrared and predominantly white light sources, 655
Radioactive iodine, Cancer of thyroid gland, 171
Radioactive sulfur, Uptake of radiosulfur in fractured humerus in rat, 38
Radioactivity, Report of surgical repair in first group of atomic radiation injuries, 1; Lymphatic dissemination of radiogold in presence of lymph node metastases, 51; Management of ascites with radioactive gold, 437; Experimental studies on interstitial injection of radioactive colloidal gold (AU^{198}), 539
Rectum, Carcinoma of colon and, associated with chronic ulcerative colitis, 41; Analysis of five year survival in carcinoma of, and rectosigmoid, 94; Problems in hemorrhoidal disease, ed. 115; Treatment of selected cases of multiple polyps, familial polyposis, and diverticular disease of colon by subtotal colectomy and ileoproctostomy, 136; Advantages of local over spinal anesthesia in anorectal surgery, 434; Internal anal sphincter and anorectal abscess, 501; Adenomatous polyps of colon and, ed. 511; Treatment of lymphopathia venereum strictures of, by abdominoperineal pull-through procedure, 631; Aids in proctologic surgery, 643
Relaxin, X-ray pelvimetric study of, in pelvic expansion, extract, 303; Study of effect of, on contractility of nonpregnant uterus by internal tocometry, 687
Ribs, Growth in length of rabbit, at costochondral junction, 481
Richter's hernia, 496
Roentgen rays, therapy, Fracture of femoral neck following irradiation of pelvis, 62; cholangiography, Residual stone in biliary ducts, 78; X-ray pelvimetric study of relaxin extract in pelvic expansion, 303; Cholangiography employing Foley catheter, 515

SAC, Peritoneal-peritoneal, for exclusion of bowel in surgical approach to retroperitoneum, 365
SC 1674, Clinical significance of changes in common duct bile resulting from new synthetic choleretic, 163
Sensitivity, intestinal, New studies in dog supporting concepts of equal resistance of various levels of, tract to acid-peptic digestion, 289
Shock, hemorrhagic, Effect of norepinephrine on peripheral blood flow, 507
Sigmoid, Analysis of 5 year survival in cancer of rectum and rectosigmoid, 94; Pathogenesis and implications of electrolyte imbalance in ureterosigmoidostomy, 736
Skin, graft, Utilization of excess, to, defects following radical mastectomy, 117; grafts, Use of rayon mesh in, grafting and granulating wounds, 241; graft, Dermatome débridement and early grafting of extensive third degree burns in children, 527
Sphincter, muscles, Cornual, of uterus, 475; muscles, anal, Internal, and anorectal abscess, 501
Spinal cord, Urinary incontinence in myelomeningoceles due to tethered, and its surgical treatment, 618
Spleen, Surgical management of diseases of, 769
Splint, Effect of urinary flow upon ureteral regeneration in absence of, 416; Effect of large caliber, on ureteral healing, 590
Staff representation, on hospital governing boards, ed. 767

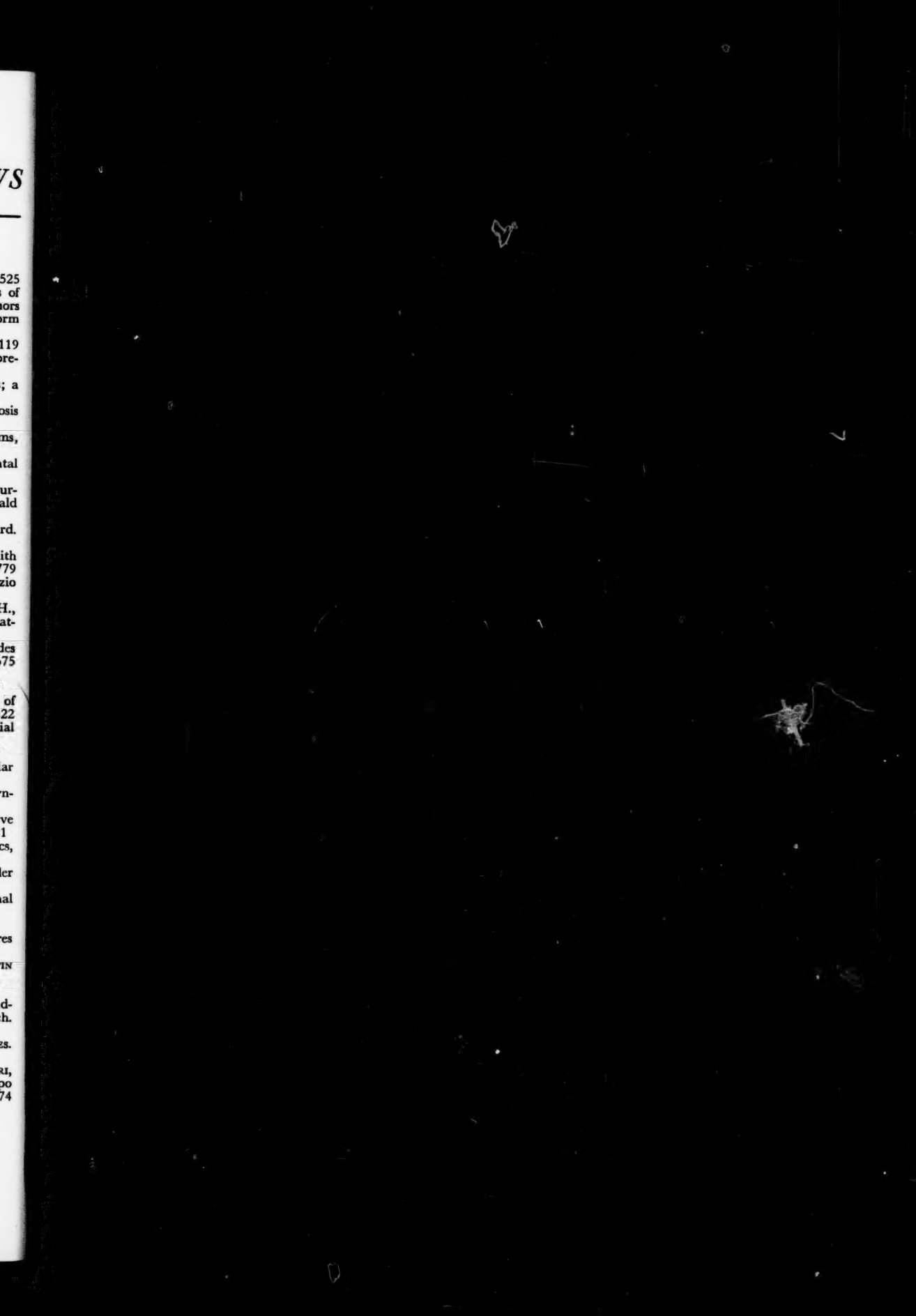
Staining methods, Histologic techniques for differential, of burned and normal tissues, 726
Stomach, secretions, Surgical treatment of esophageal stricture, 5; "Curative" resection—preferred statistical unit for evaluating therapy in cancer of, ed. 237; Embryologic and anatomic approach to treatment of gastric cancer, 401; Experiences with treatment of acutely massively bleeding peptic ulcer by blood replacement and gastric resection, 409
Stone, Residual, in biliary ducts, 78
Suction, Use of continuous negative pressure after laryngectomy and radical neck dissection, 244
Sulfur, Uptake of radio-, in fractured humerus in rat, 38
Surgeon, Average, complains, ed. 239; Chemotherapy and, ed. 637
Surgery, Report of surgical repair in first group of atomic radiation injuries, 1; subtotal gastrectomy, Surgical treatment of esophageal stricture, 5; experimental, Prolonged functional survival of renal autotransplants in dog, 15; technique, Utilization of excess skin to graft defects following radical mastectomy, 117; Treatment of selected cases of multiple polyps, familial polyposis, and diverticular disease of colon by subtotal colectomy and ileoproctostomy, 136; technique, Surgical treatment of occlusive coronary artery disease by endarterectomy of anastomotic replacement, 180; "Curative" resection—Preferred statistical unit for evaluating therapy in cancer of stomach, ed. 237; technique, Average surgeon complains, ed. 239; operating room, Postoperative wound infection, 257; Factors influencing spread of cancer, 342; technique, Peritoneal-peritoneal sac for exclusion of bowel in surgical approach to retroperitoneum, 365; technique, Embryologic and anatomic approach to treatment of gastric cancer, 401; Advantages of local over spinal anesthesia in anorectal, 434; Hypofibrinogenemia in surgical patients, 443; Progressive changes in ventilation following pulmonary resection, 455; Periodic evaluation of surgical measures, ed. 513; Treatment of lymphopathia venereum strictures of rectum by abdominoperineal pull-through procedure, 631; Aids in proctologic, 643; Technique, for repair of atrial septal defect using atrial well, 646; postoperative complications, Clinical study of pulmonary embolism, 695; experimental, Replacement of tricuspid valve cusp by homologous cusp in dogs, 731; postoperative complications, Subphrenic abscess, ed. 765
Survival rate, Inadequacy of, in evaluation of cancer therapy, 307, cor. 780

TAMPONADE, Pericardiectomy for chronic idiopathic pericarditis with massive effusion and cardiac, 535
Temperature, Effect of lowered body, on cerebral hemodynamics and metabolism of man, 313
Tensile strength, Nylon as vascular prosthesis in experimental animals with, studies, 613
Thorax, Ruptured abdominal aneurysm—transthoracic control, ed. 639
Thrombocytopenia, and hemorrhage in hemolytic blood transfusion reactions, 129
Thrombosis, More aggressive approach toward restoration of blood flow in acute arterial insufficiency, 279; Reaction of wall of vein to presence of experimental thrombus, 323
Thyroid gland, Cancer of, 171
Tissues, Histologic techniques for differential staining of burned and normal, 726
Tocometry, Study of effect of relaxin on contractility of nonpregnant uterus by internal, 687
Tongue, Management of lingual cancer, 595
Trachea, Characteristics of regeneration of respiratory epithelium, 209
Transplantation, Prolonged function survival of renal autotransplants in dog, 15; Structural alterations in human aortic homographs one to two and one-half years after, 147; Freeze-dried and alcohol preserved homografts for replacement of small arteries, 155; Reduction of postnephrectomy hypertension by renal homotransplant, 673
Trauma, Diagnostic abdominal tap, ed. 362
Tricuspid valve, Replacement of, cusp by homologous cusp in dogs, 731
Tumor, Benign, of liver—I, adenomas, 23; Bilateral arteritis simulating carotid body, 263; Benign, of liver—II, hemangiomas, 327; Management of ascites with radioactive gold, 437; Benign, of liver—III, solitary cysts, 607

ULCER, duodenal, gastric, Surgical treatment of esophageal stricture, 5
Ureterosigmoidostomy, Pathogenesis and implications of electrolyte imbalance in, 736
Ureters, Effect of urinary flow upon ureteral regeneration in absence of splint, 416; catheterization, Effect of large caliber splints on ureteral healing, 590; Pathogenesis and implications of electrolyte imbalance in ureterosigmoidostomy, 736
Urine, Effect of urinary flow upon ureteral regeneration in absence of splint, 416; incontinence, Urinary, in myelomeningoceles due to tethered spinal cord and its surgical treatment, 618
Uterus, Study of 531 cases of endometrial carcinoma, 221; Transtubal spread of tumor cells in carcinoma of body of, 332; Cornual sphincter of, 475; Clinical and pathologic study of endometriosis of lung, 552; Study of effect of relaxin on contractility of nonpregnant, by internal tocometry, 687
Uterus cervix, Evaluation of pelvic exenteration for advanced cancer of, 337; Surgical management of carcinoma of, 565

VEIN, renal, Variations of testicular and ovarian arteries in relation to, pedicle, 487; Reaction of wall of, to presence of experimental thrombus, 323
Vena cava, Reaction of wall of vein to presence of experimental thrombus, 323
Ventilation, Progressive changes in, following pulmonary resection, 455
Volkmann's contracture, Etiology and prevention of, ischemic, 353

WATER, Body composition and body, metabolism in normal pregnancy, 227
Wounds, healing, Experimental study of degeneration and regeneration of nerve fibers following burn, 31; Use of rayon mesh in skin grafting and granulating, 241; healing, Use of continuous negative pressure after laryngectomy and radical neck dissection, 244; Postoperative, infection, 257; healing, Dermatome débridement and early grafting of extensive third degree burns in children, 527; healing, Flash burns from atomic weapons—I, observations on flashburning of human subjects in laboratory using infrared and predominantly white light sources, 655

INDEX TO BOOK REVIEWS

ALKEN, C.-E. Leitfaden der Urologie, 373
ALLGÖWER, MARTIN. The Cellular Basis of Wound Repair, 651
ASH, J. E., and RAUM, MURIEL. An Atlas of Otolaryngic Pathology. Published under the joint sponsorship of the American Academy of Ophthalmology and Otolaryngology, The American Registry of Pathology, and The Armed Forces Institute of Pathology, 525
ASSOCIATION FOR THE AID OF CRIPPLED CHILDREN. Mechanisms of Congenital Malformation. Proceedings of the Second Scientific Conference of, edited by Harold Wolff, 523
BARNETT, A. J., and FRASER, J. R. E. Peripheral Vascular Disease, 120
BASSETT, DAVID L. A Stereoscopic Atlas of Human Anatomy. Section III—Upper Extremities, 371
BAYER, O., LOOGEN, FR., and WOLTER, H. H. Der Herzkatheterismus bei angeborenen und erworbenen Herzfehlern, foreword by E. Boden, 776
BLAND, JOHN H. Clinical Recognition and Management of Disturbances of Body Fluids, 2nd ed., 651
BOWES, KENNETH. Modern Trends in Obstetrics and Gynaecology (Second Series), 777
BUES, ELMAR E. Formen des posttraumatischen Kopfschmerzes (der neuralgische Schmerz), 375
BÜRKLE DE LA CAMP, H., and ROSTOCK, P. Handbuch der gesamten Unfallheilkunde, Vols. I and II, 2nd rev. ed., 776
CALLAHAN, ALSTON. Surgery of the Eye—Diseases, 775
CARLING, SIR ERNEST ROCK, WINDEYER, B. W., and SMITHERS, D. W. Practice in Radiotherapy, 524
CHRISTOPHER, FREDERICK. Christopher's Textbook of Surgery, edited by Loyal Davis, 6th ed., 650
COLE, WARREN H. Operative Technic in General Surgery, introduction by Frank H. Lahey, 2nd ed., 119
COLE, WARREN H. Operative Technic in Specialty Surgery, introduction by Allen O. Whipple, 2nd ed., 651
CONGRESS OF NEUROLOGICAL SURGEONS. Clinical Neurosurgery, Vol. II, 374
CONWAY, HERBERT. Tumors of the Skin, 652
COUVELAIRE, ROGER. Chirurgie de la vessie, 374
DAVIS, LOYAL. Christopher's Textbook of Surgery, 6th ed., 650
DENNEN, EDWARD H. Forceps Deliveries, 776
DEPALMA, ANTHONY F. Clinical Orthopaedics, No. 6, 777
DIJKSTRA, C. Atlas of Bronchial Lesions in Pulmonary Tuberculosis, 121
DOE, JANET, and MARSHALL, MARY LOUISE. Handbook of Medical Library Practice, 2nd rev. enl. ed., 522
DONALD, IAN. Practical Obstetric Problems, 371
ELKINTON, J. RUSSELL, and DANOWSKI, T. S. The Body Fluids, 373
FERGUSON, L. KRAEER. Surgery of the Ambulatory Patient, 3rd ed., 373
FEY, B., MOCQUOT, P., OBERLIN, S., QUÉNU, J., TRUFFERT, P., DAVID, M., ISELIN, M., DOSSOT, R., DUBAU, R., DUBOST, CH., GALEY, J.-J., LONGUET, Y., LOYGUE, J., MATHEY, J., PALMER, F., PERROTIN, J., RUDLER, J., THORMERET, G., and VARANGOT, J. Traité de technique chirurgicale, 2nd rev. ed., Vol. IV, 374
GORGA, PAULO. A endoscopia abdômino-pelviana em ginecologia, 122
GRAY, HENRY. Anatomy of the Human Body, edited by Charles Mayo Goss, 26th ed., 250
HARRIS, G. W. Neural Control of the Pituitary Gland, 525
HERTIG, ARTHUR T., and MANSELL, HAZEL. Atlas of Tumor Pathology. Section IX—Fascicle 33, Tumors of the Female Sex Organs. Part I, Hydatidiform Mole and Choriocarcinoma, 522
ISELIN, MARC. Chirurgie de la main, 2nd rev. ed., 119
LEVITIN, JOSEPH, and COLLOFF, BEN. Roentgen Interpretation of Fractures and Dislocations, 524
LEWIS, RAYMOND W. The Joints of the Extremities; a Radiographic Study, 251
LEWISON, EDWARD F. Breast Cancer and Its Diagnosis and Treatment, 371
LIMBURG, HANS. Die Fruehdiagnose des Uteruscarcinoms, 3rd rev. enl. ed., 778
M & R PEDIATRIC RESEARCH CONFERENCE. Retrolental Fibroplasia; Role of Oxygen, 251
MARKOWITZ, J. Experimental Surgery; Including Surgical Physiology. In collaboration with J. Archibald and H. G. Downie, 3rd ed., 251
MARTIUS, HEINRICH. Lehrbuch der Geburtshilfe, 3rd. rev. ed., 122
MARTIUS, HEINRICH. Lehrbuch der Gynaekologie. With the collaboration of Käthe Droysen, 4th rev. ed., 779
PETTINARI, VITTORIO. I tumori primitivi dello spazio retroperitoneale, 123
PHELPS, WINTHROP MORGAN, KIPHUTH, ROBERT J. H., and GOFF, CHARLES WEER. The Diagnosis and Treatment of Postural Defects, 2nd ed., 652
RAUBER-KOPSCH. Lehrbuch und Atlas der Anatomie des Menschen, edited by Kopsch. Vol. I, 19th ed., 375
REHWALD, E. Das Hirntrauma, 653
RITVO, MAX. Chest X-Ray Diagnosis, 2nd ed., 123
ROSENBLATT, MILTON B., and LISA, JAMES R. Cancer of the Lung; Pathology, Diagnosis, and Treatment, 522
ROWE, N. L., and KILLEY, H. C. Fractures of the Facial Skeleton, 525
RUSHMER, ROBERT F. Cardiac Diagnosis, 777
SAMUELS, Saul S. Diagnosis and Treatment of Vascular Disorders (Angiology), 525
SCHAEFER, GEORGE. Tuberculosis in Obstetrics and Gynecology, 775
SEDDON, H. J. Peripheral Nerve Injuries. By the Nerve Injuries Committee, Medical Research Council, 521
SLOBODY, LAWRENCE B. Survey of Clinical Pediatrics, 2nd ed., 372
SMOLKA, H., and SOOST, H. J. Grundriss und Atlas der gynaekologischen Cytodiagnostik, 251
SPIVACK, JULIUS L. The Surgical Technic of Abdominal Operations, 5th ed., 121
STERLING, JULIAN A. The Biliary Tract, 122
STIMSON, BARBARA BARTLETT. A Manual of Fractures and Dislocations, 3rd ed., 778
STEIN, IRVIN, STEIN, RAYMOND O., and BELLER, MARTIN L. Living Bone in Health and Disease, 371
STUCKE, K. Der Fersenschmerz, 775
THE AMERICAN FOUNDATION. Medical Research; a Midcentury Survey. Vol. I, American Medical Research. Vol. II, Unsolved Clinical Problems, 247
TURNER, G. GREY, and ROGERS, LAMBERT CHARLES. Modern Operative Surgery, 4th ed., Vol. I, 779
VERONESI, UMBERTO, RABOTTI, GIAN CARLO, and SIRTORI, CARLO. Il carcinoma intraduttale epidermotropo della mammella (cosiddetto morbo di Paget), 374
VIRTUE, ROBERT W. Hypothermic Anesthesia, 120
WILDER, JOSEPH R. Atlas of General Surgery, 120
WILKINSON, A. W. Body Fluids in Surgery, 778